

100 102 104 106 108

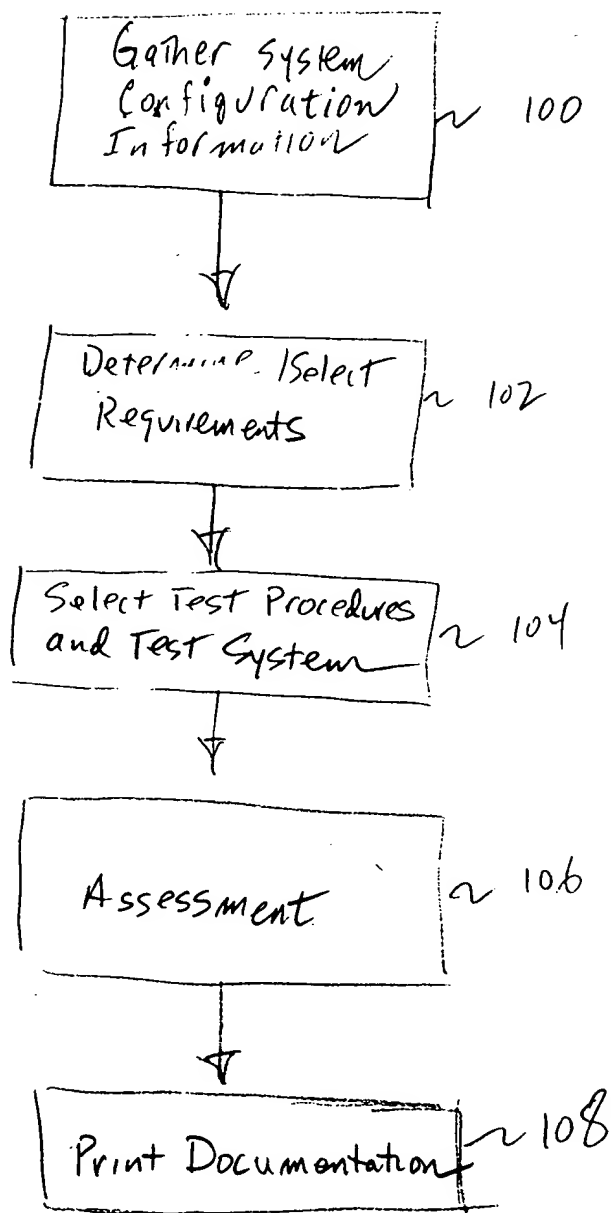


FIG. 1

## Xacta Web C&A

- 2001-2

1





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Xacta Corp. - Web C&A Information Gathering - Network

Go Back Home Go Communications Help

XACTA WEB C&A

PROJECT LIST LOG OFF

1. INFO GATHERING 2. REQUIREMENTS ANALYSIS 3. TESTING 4. RISK ASSESSMENT 5. PUBLISHING

Project Definition 407 Accreditation Type 414 Project Personnel 408 System User Info 414 Project N/W 414

Project D/S 416 Project Apps 418 System Data Flow 420 Accreditation Diagram 421 Project Threat 416 Project Appendix 428

Project: M1 Project One Required/Not Required - If applicable

Project Definition Information:

Name: All Project One

Version: 1.0

Acronym: MTS

Description:

The MTS is a computer-based personnel tracking and communications planning tool originally developed by the U. S. Air Force, and named the Air Force Automated Planning System (AFAPS). It had been modified by the Army to support communications planning until the Advance Tracking Planner (ATP) system. The MTS is used to

Department: DoD

Source: Select One

CMilan

DoD

Enter and select Project Definition Information and please Save. Next, click the forward button on the status bar to continue on to the next step.

Info Gathering: Accreditation Type

Go Back Home Go Communications Help

Document Icons

FIG. 5

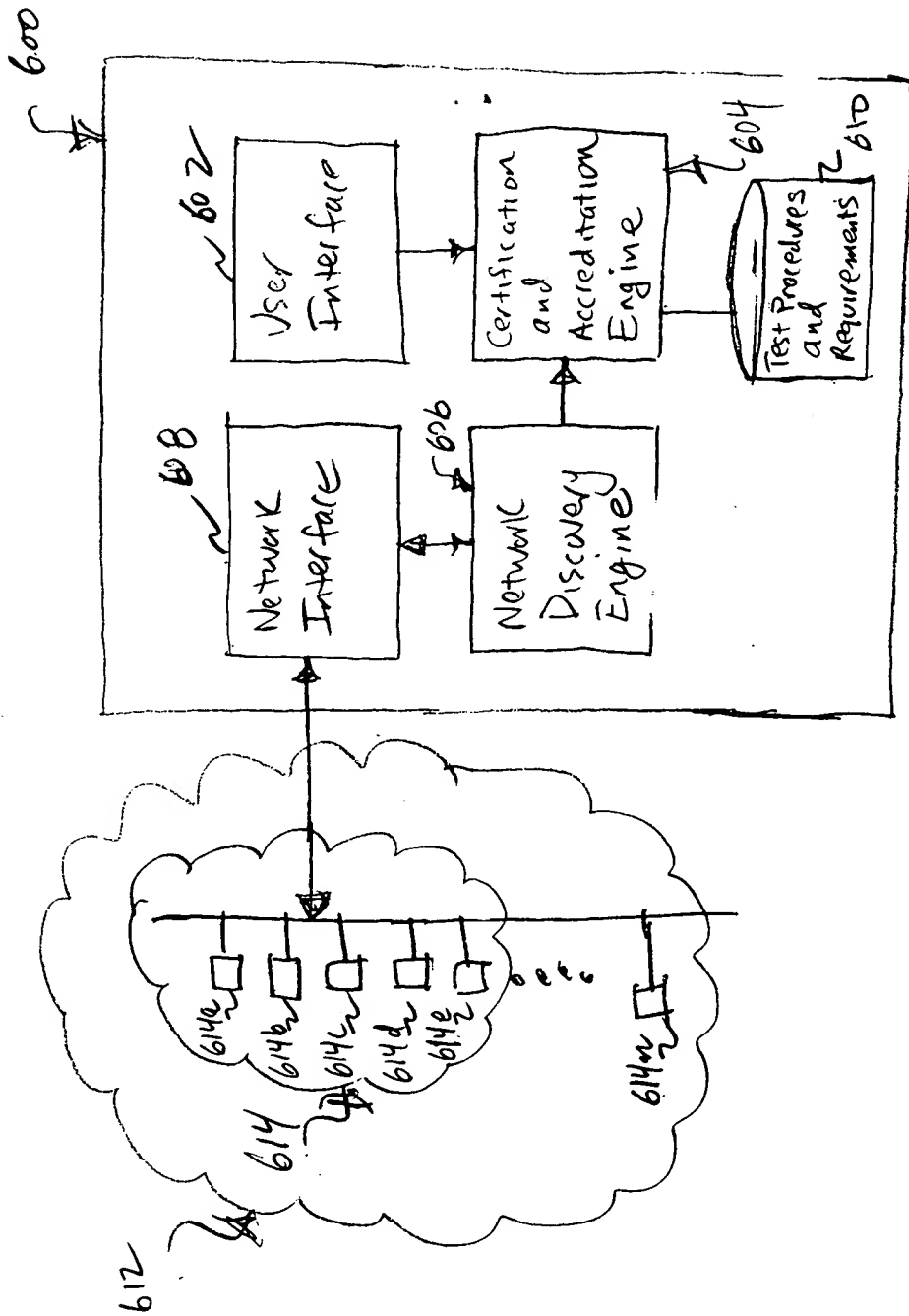


FIG. 6

FIG. 7

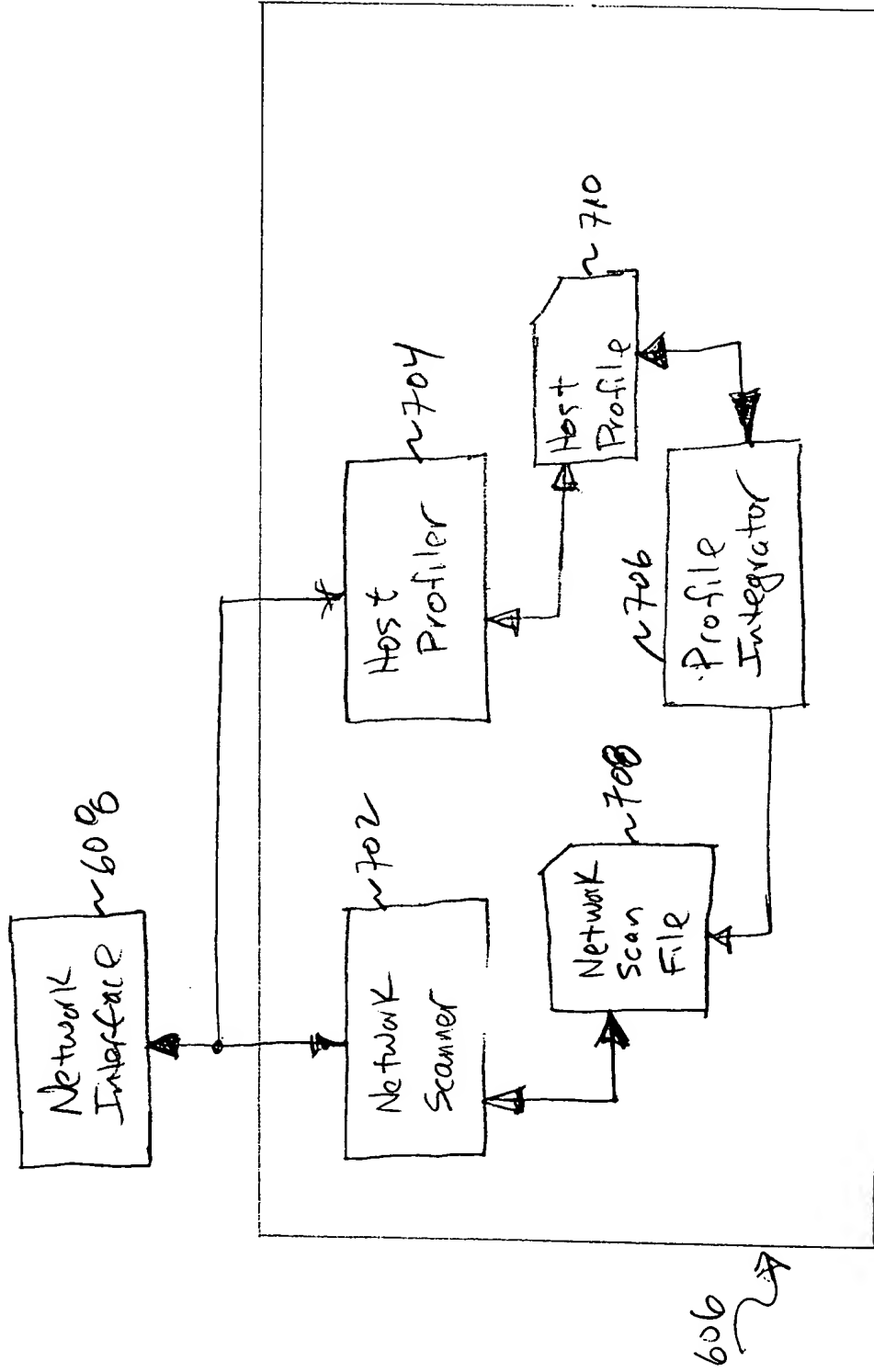


FIG. 7

802 ~ [Network]  
802a ~ Name = Xacta

806 ~ [Segment]  
807 ~ Name = Office

806a ~ Network = Xacta  
806b ~ IPRange = 192.168.0.0-255  
806c ~ ScanDate = 12-01-2000  
806d ~ ScanDate = 12-15-2000

806

808 ~ [Host]  
808a ~ IPAddress = 192.168.0.10  
808b ~ MAC = 01 02 03 04 05 06  
808c ~ Hostname = Banana  
808d ~ OS = Windows 98  
808e ~ Version = 2

810 ~ [Host]

810a ~ IPAddress = 192.168.0.20  
810b ~ MAC = 01 02 03 08 00 09  
810c ~ Hostname = Peach  
810d ~ OS = Windows NT  
810e ~ Version = 4.0  
810f ~ Mfr = HP  
810g ~ Model = Vectra XJ12  
810h ~ CPU = Pentium II  
810i ~ CPU Qty = 1  
810j ~ CPU Speed = 400 MHz  
810k ~ RAM = 128 MB  
810l ~ Disk Space = 60 GB  
810m ~ Software = Microsoft Office 8.0  
810n ~ Software = Autocad 14.1  
810o ~ Software = Adobe Acrobat 3.0  
810p ~ Software = Roadhog 1.1

802  
802a  
806  
806a  
806b  
806c  
806d  
808  
808a  
808b  
808c  
808d  
808e  
810  
810a  
810b  
810c  
810d  
810e  
810f  
810g  
810h  
810i  
810j  
810k  
810l  
810m  
810n  
810o  
810p

FIG. 8



900

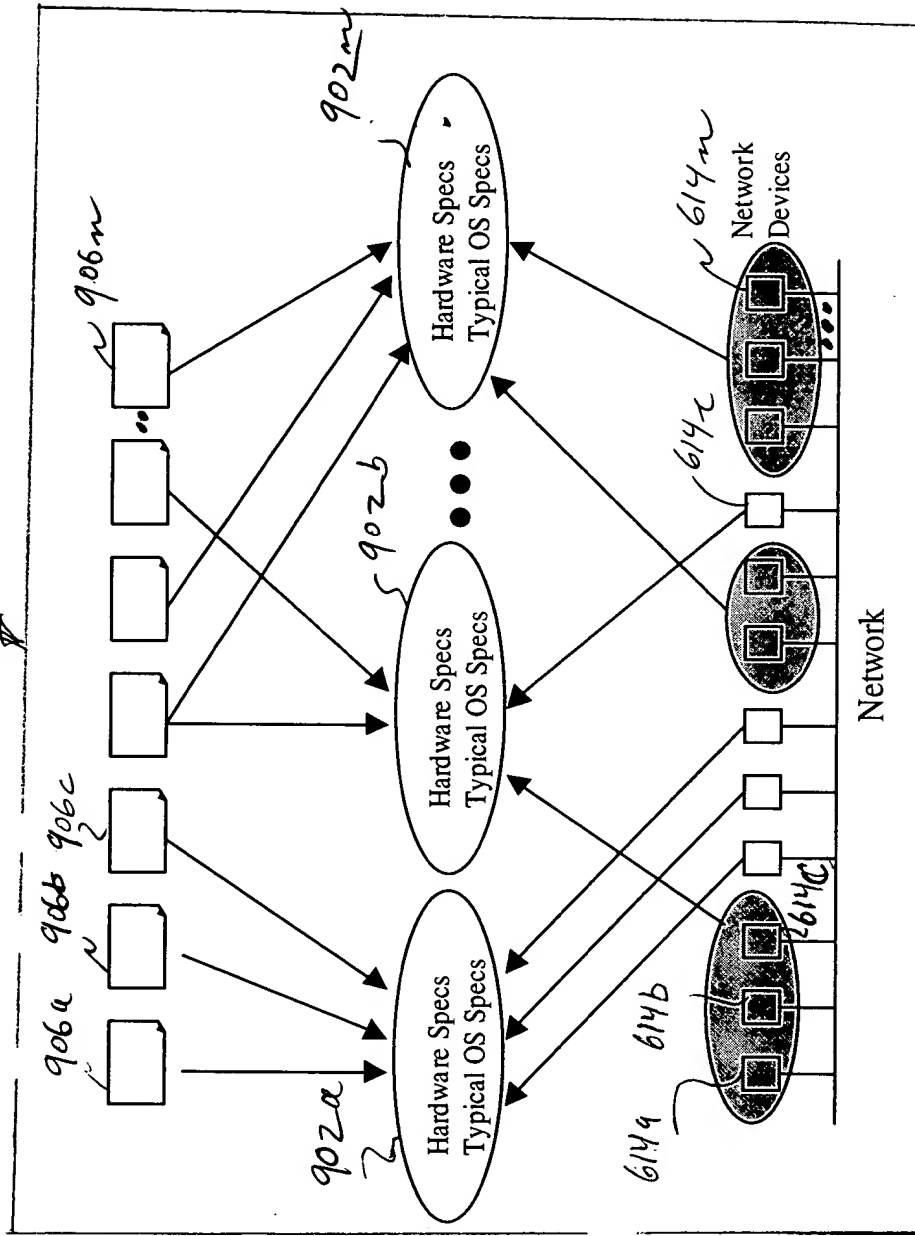


FIG. 9

Edit Platform Category - Microsoft Internet Explorer

Address: http://webdev:81/webca30/WebcaController?next=ModifyPlatformCategory&PlatID=1

XACTA XACTA WEB C&A™ 2001

I. Information Gathering II. Requirements Analysis III. Testing

**PROJECT:**  
TestWeb C&A 2001

**STAGE:**  
I. Information Gathering

**STEPS:**  
1. Project Definition  
2. System Parameters  
3. System Security  
4. Project Personnel  
5. Project Milestones  
6. System Users  
7. Platform Categories  
8. Software Inventory  
9. Equipment Inventory  
10. System Interfaces  
11. System Data Flow  
12. Accreditation Boundary  
13. System Environment

**Edit Platform Category** ☐ help ☐ examples

Platform Category: Product Development

Description: Product development Web server is use by PD for developing and testing web based solution for vertical market sales

Estimated Quantity: 3

Test Strategy: Select One

IP Address Range: 10.4.40.23-10.4.40.25

**Hardware Specs**

Hardware Family: Server

Manufacturer: Dell

Model: PowerEdge 1300

Serial Number: ZX24S

Location: Product Development Labor Visual ID: WebDev

CPU Type: Intel pentium III CPU Number: Intel pentium CPU Speed: 700Mhz

RAM: 512 Meg

Disk Size: 18 GB

Disk Description: 2.9 Gigabyte SCSI Drives, No Raid

Other Storage: 60. Gigabyte Streaming tape system

Display: 19 inch KDS SVGA

Other Hardware:

FIG. 10

Provide . User Selected  
and/or Computer Selected  
Security Documents ~ 1102

~ 1104  
Modify  
Testing  
Requirements?

Yes

No

~ 1106  
Display  
Selected  
Test Procedure for  
Modification

~ 1108  
Modify Test Procedure  
and Save

~ 1110  
Modify  
Another?

End

No

FIG. 11

Figure 12: XACTA Web C&A Interface

Xacta Corp. - Web ERA Requirements Analysis - Netscape

XACTA WEB C&A

PROJECT LIST

LOG OFF

1. INFO GATHERING

2. REQUIREMENTS ANALYSIS

3. TESTING

4. RISK ASSESSMENT

5. PUBLISHING

Generate Baseline SRPM

Display Current SRPM

Add Requirement

Project: MT Project One

Required / Valid (?) - If applicable

Currently selected Security Regulation Documents

User Defined Requirement Exists

☐ Army Regulation (AR) 380-19 Information System Security ~1202

☐ DISC4 Procedural Guidelines for NIT ~1204

☐ DoD 5200.28-STD DoD Trusted Computer System Evaluation Criteria (Orange Book) ~1206

☐ DoD Directive C-5200.5 Communications Security (COMSEC) ~1208

☐ Program Engineering Office for Command, Control, and Communications Systems (PEO C38) Security Configuration Policy (SCP) for Unix Hosts ~1210

☐ SECNAVINST 5239.3 DoN Information Systems Security (INFOSEC) Program ~1212

☐ CCIB 99-03123 Common Criteria for Information Technology Security Evaluation ~1214

☐ DISC4 Procedural Guidelines for Unix ~1216

☐ DoD Directive 5200.28 Security Requirements for Automated Information Systems (AUS) ~1218

☐ OPNAVINST 5239.19 Navy Information Assurance (IA) Program ~1220

☐ Program Engineering Office for Command, Control, and Communications Systems (PEO C38) Security Specification for ATCCS (BSA) ~1222

☐ US Army Dial-in Policy ~1224

Generate Baseline SRPM

Forward

Select applicable Regulation Documents and press Save

Next click the Forward button on the status bar to continue on to the next step

Requirements Analysis

Display Current SRPM

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FIG. 12

Xacta Corp. - Web CEA Requirements Analysis - Netscape

XACTA WEB CEA

PROJECT LIST LOG OFF

1. INFO GATHERING  
Generate Baseline SRTM

2. REQUIREMENTS ANALYSIS  
Display Current SRTM

3. TESTING

4. RISK ASSESSMENT  
Add Requirement

5. PUBLISHING

Project: INT Project One  
Required Field (\*) - If applicable

SRTM Publishing: **Annex E**

Display Current SRTM

Source Document	Parameter	Item	Selected Requirement	Edit	Delete
DoD5200.5	D.1	Protection of Transmitted Information	View Details	✓	X
DoD5200.5	D.3	Use of NSA endorsed COMSEC products	View Details	✓	X
DoD5200.5	D.4	Protection of Sensitive Information	View Details	✓	X
OPNAV3308.1B	6	OPNAV Policy	View Details	✓	X

Page 1 of 1

After Viewing and/or editing Requirements, click the Forward button on the status bar to continue on to the next step.

Requirements Analysis: Add Requirements

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FIG. 13

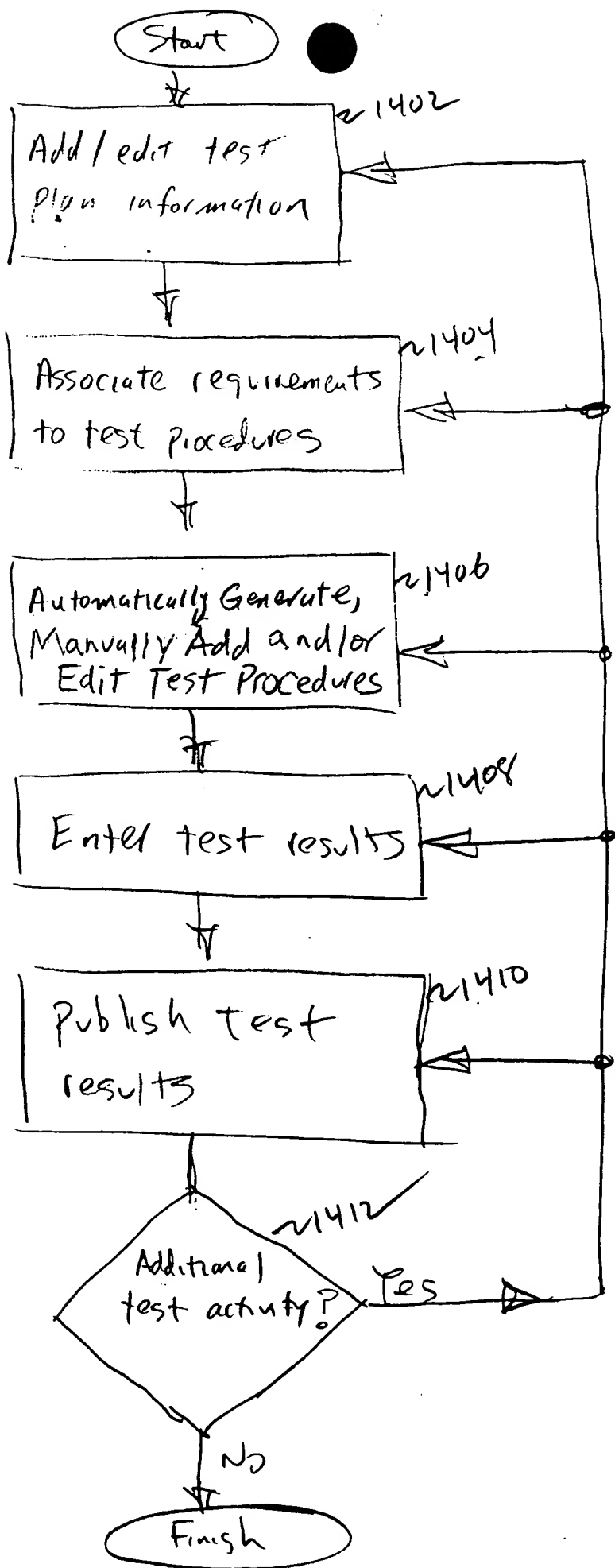


Fig. 14.

Xacta Corp. - Web CMA Testing - Microsoft Internet Explorer  
 http://web.cma.com/Testing/Tools/TestPlan.asp

PROJECT LIST [ ] LOG OFF [ ]  
 1. INFO GATHERING 2. REQUIREMENTS ANALYSIS 3. TESTING 4. EVALUATION 5. PUBLISHING  
 Test Plan Info Associated Requirements Test Procedures Enter Test Results Security Check List

Project: user01  
 Warning: Previously published sections related to "Edit Test Plan Info" must be re-published to reflect your changes.  
 Required field (\*) - If applicable

Test Group: [ST&E]

Expected Date of Test: ~1502  
 The Security Test and Evaluation (ST&E) procedures will be executed from 1 May 2000 through 30 May 2000. The dates and expected completion are contingent upon the availability of the equipment, documentation, and domain personnel required.

Planned Location of Procedure: ~1504  
 The ST&E procedures entail a review of the available security documentation and the interviews of key development personnel. The procedures will be conducted at the home facility of the accreditation team members and the primary system development facility.

Test Resources: ~1506  
 The following resources are required to complete the ST&E procedures for the evaluation of the system:  
 List of System Components  
 List of system and security documentation

Test Personnel: ~1508  
 The following test personnel are assigned to complete the system Security Test and Evaluation procedures:  
 List of Accreditation Team members

Remarks: ~1510  
 Additional remarks related to the conduct of the ST&E procedures.

NEXT STEP: Publishing  
 Associated Requirements

Fig. 15

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

Fig. 16



05020000-010001

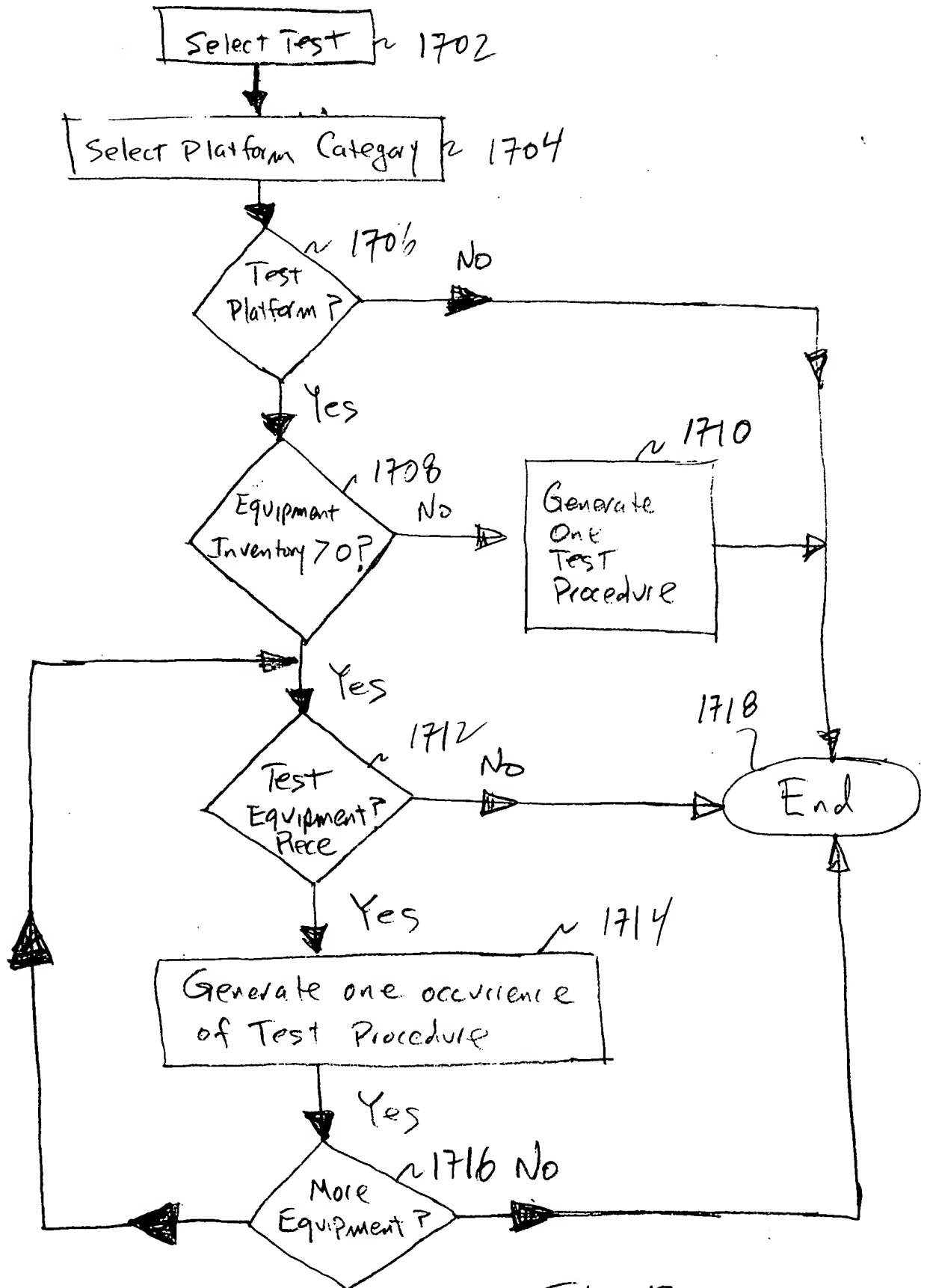


Fig. 17

[http://halba/webcal1/Test/webcal\\_CreateTestProc.asp](#)

PROJECT LIST LOG OFF X

XACTA WEB C&A

T. INFO GATHERING  
Test Plan Info

HQS REQUIREMENTS ANALYSIS  
Associate Requirements

D TESTING  
Test Procedures

P S. PUBLISHING  
Security Check List

BACK FORWARD

Project: user01

Add Test Procedure

Warning: Previously published sections related to "Add Test Procedure" must be republished to reflect your changes.  
*Required field (\*) - If applicable*

Associated Requirement: B8B9-B8B6-B8B8

Test Title \*  
Category \*

Expected Result \*

Test Procedure \*

1802 ✓

1804 ~ 1806

1801 ~ 1808

1812

Appendixes  
Previous Step  
Next Step  
Back  
Forward

Fig. 18

Xacta Corp - Web C&A Testing - Microsoft Internet Explorer

http://holowebcal.177.net/webcal\_CredentTestProc.asp

XACTA WEB C&A

PROJECT LIST [X] LOG OFF [X]

[X] 1. INFO GATHERING [X] 2. REQUIREMENTS ANALYSIS [X] 3. PUBLISHING  
Test Plan Info Associate Requirements Enter Test Results Security Check List

[X] 4. RISK ASSESSMENT

Test Procedures Enter Test Results

Project: user01

Edit Test Procedure

Warning: Previously published sections related to "Edit Test Procedure" must be re-published to reflect your changes.

Required field (\*) - N applicable

Test Title \* Account locked out after 3 unsuccessful login attempts

Category \* Compuserc [X] ~1804 ~1806

Equipment under test: NT-Mail Server [X]  
Test Procedure \* ~1808

Expected Result \* ~1810

User account will be locked out after 3 consecutive unsuccessful logon attempts.

Prerequisites: one valid username (UserA) and password for the system being tested.

Attempt to log on as UserA, but enter the wrong password. The system should display an error message then return to the login window/prompt.

After completion of the section, save your changes and click on the Forward button on the status bar to continue to his next task or click the Back button on the status bar to return to the previous step.

RESTART TESTING  
Enter Test Results

Feb. 19





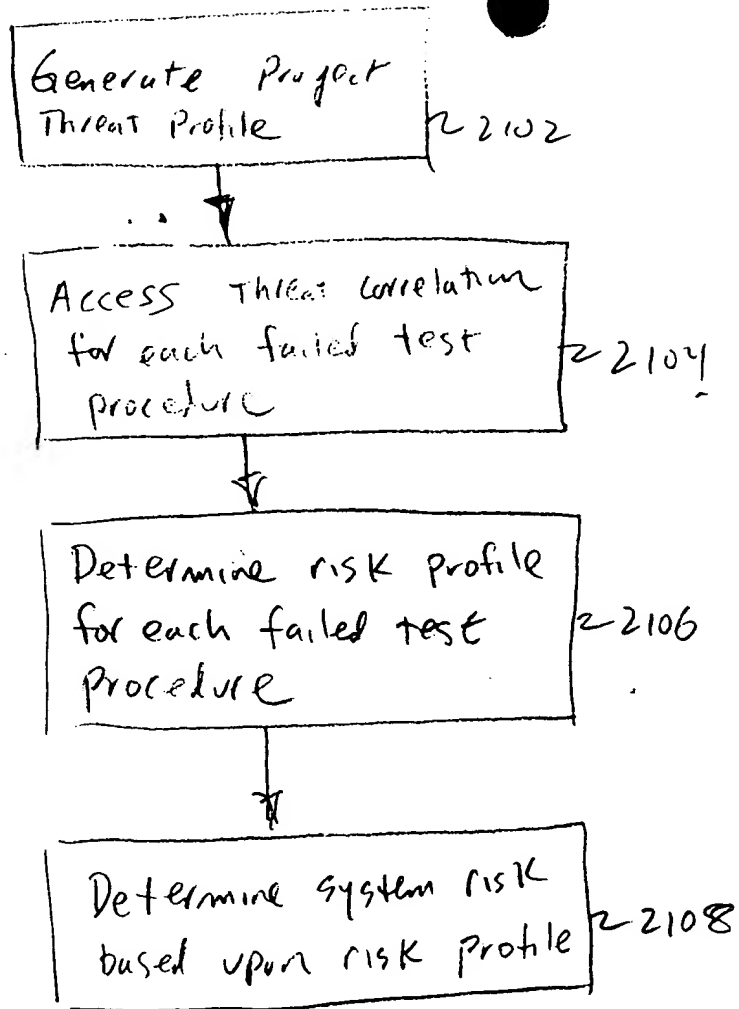


FIG. 21

	Threat Category	Sub-Category	Sub-sub-category
1	Natural Disaster	Fire	
2		Flood	
3		Earthquake	
4		Volcano	
5		Tornado	
6		Lightning	
7	System Failure	Hardware	
8		Power	
9		Communication Link	
10	Environmental Failure	Temperature	
11		Power	
12		Humidity	
13		Sand/Dust	
14		Shock/Vibration	
15	Human Unintentional	Software Design Error	
16		System Design Error	
17		Operator Error	System Administrator
18			Regular User
19			Maintenance Personnel
20	Human Intentional	Authorized Personnel	System Administrators
21			Maintenance Personnel
22			Regular Users
23		Unauthorized Users	Terrorists
24			Hackers
25			Saboteurs
26			Thieves
27			Vandals
28		Physical Combat	
29		Electronic Warfare	

Fig. 22

Xacta Corp. - Web C&A Risk Assessment - Prototype

File Edit View Go Control Panel Help

**XACTA WEB C&A**

☐ INFO GATHERING

Threat Environment

☒ REQUIREMENTS ANALYSIS

Analyze Risk Elements

☐ TESTING

☒ RISK ASSESSMENT

System Level Risk

PROJECT LIST ☐ LOG OFF ☐

D.S. PUBLISHING

**Project: BT Project One**

Required field (\*) - If applicable

Natural Disaster: ~7

Fire ~1

Flood ~2

Earthquake ~3

Volcano ~4

Tornado ~5

Lightning ~6

System Failure: ~7

Hardware ~7

Software ~8

Communication ~9

Environmental Failure: ~10

Temperature ~10

Power ~11

Humidity ~12

Sand/Dust ~13

Vibration/Shock ~14

Human Unintentional ~15

**Threat Environment**

Calculated value ~2302

User Defined value ~2304

Low	>
Low	>
Low	>
Low	>
Low	>
Low	>

Low	>
Low	>
Low	>
Low	>
Low	>
Low	>

Low	>
Low	>
Negligible	>

Low	>
Low	>
Negligible	>

Negligible	>
Negligible	>
Negligible	>
Negligible	>
Negligible	>

Negligible	>
Negligible	>
Negligible	>
Negligible	>
Negligible	>

Absorbing in the  
Risk Threat  
Environment  
information click  
the Save button  
followed by the  
Forward button  
on the status bar  
to continue on to  
the next step.

Risk:  
Analyze Risk  
Elements

**FIG. 23**



TABLE 24-1

If a character position in the project threat profile string is:	And the corresponding character position in the threat correlation string is:	Then the corresponding character position in the Risk Profile String is:
N	Anything	N
L	N	L
L	L	L
L	M	L
L	H	M
M	N	N
M	L	L
M	M	M
M	H	M
H	N	N
H	L	M
H	M	H
H	H	H

FIG. 24

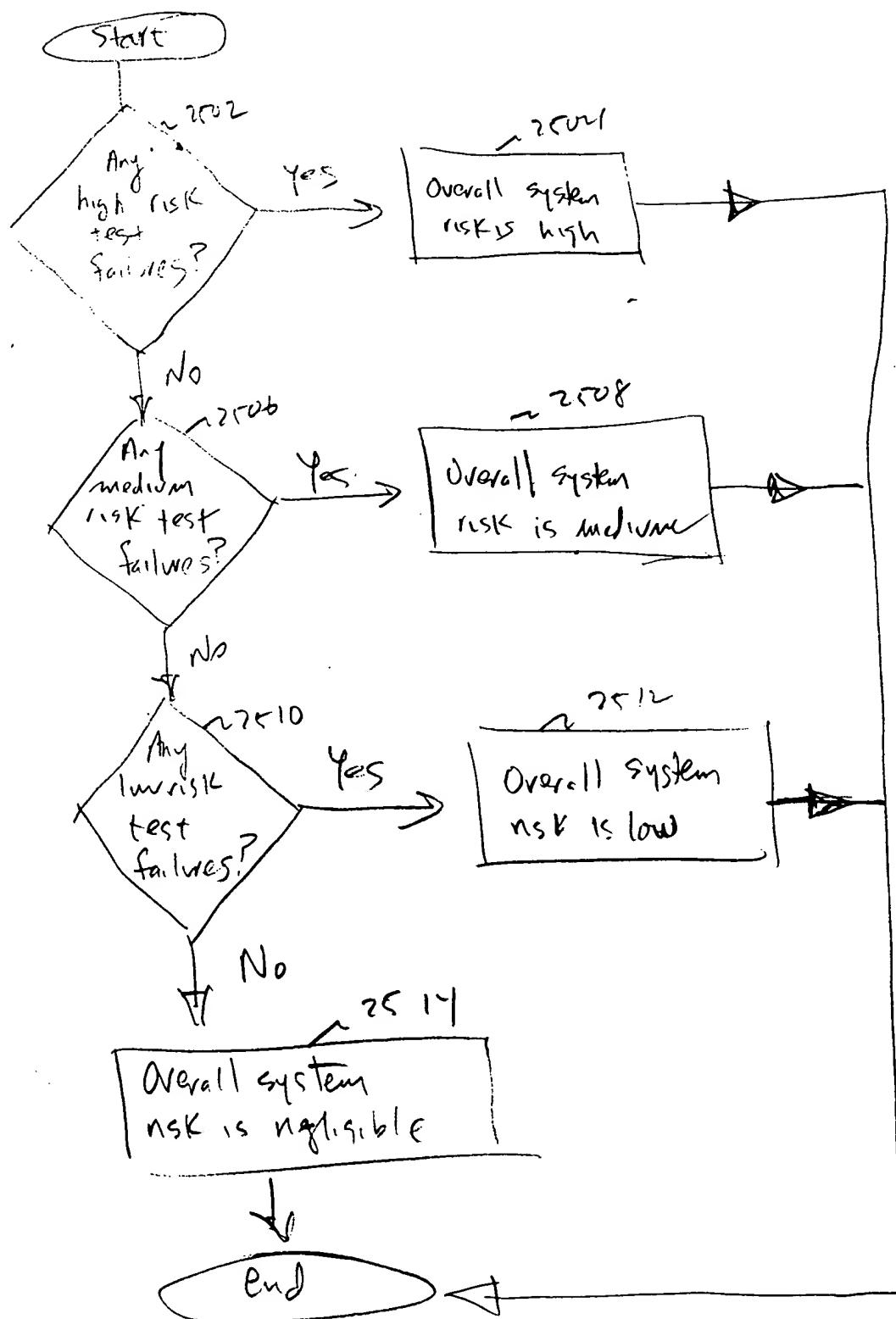


Fig. 25

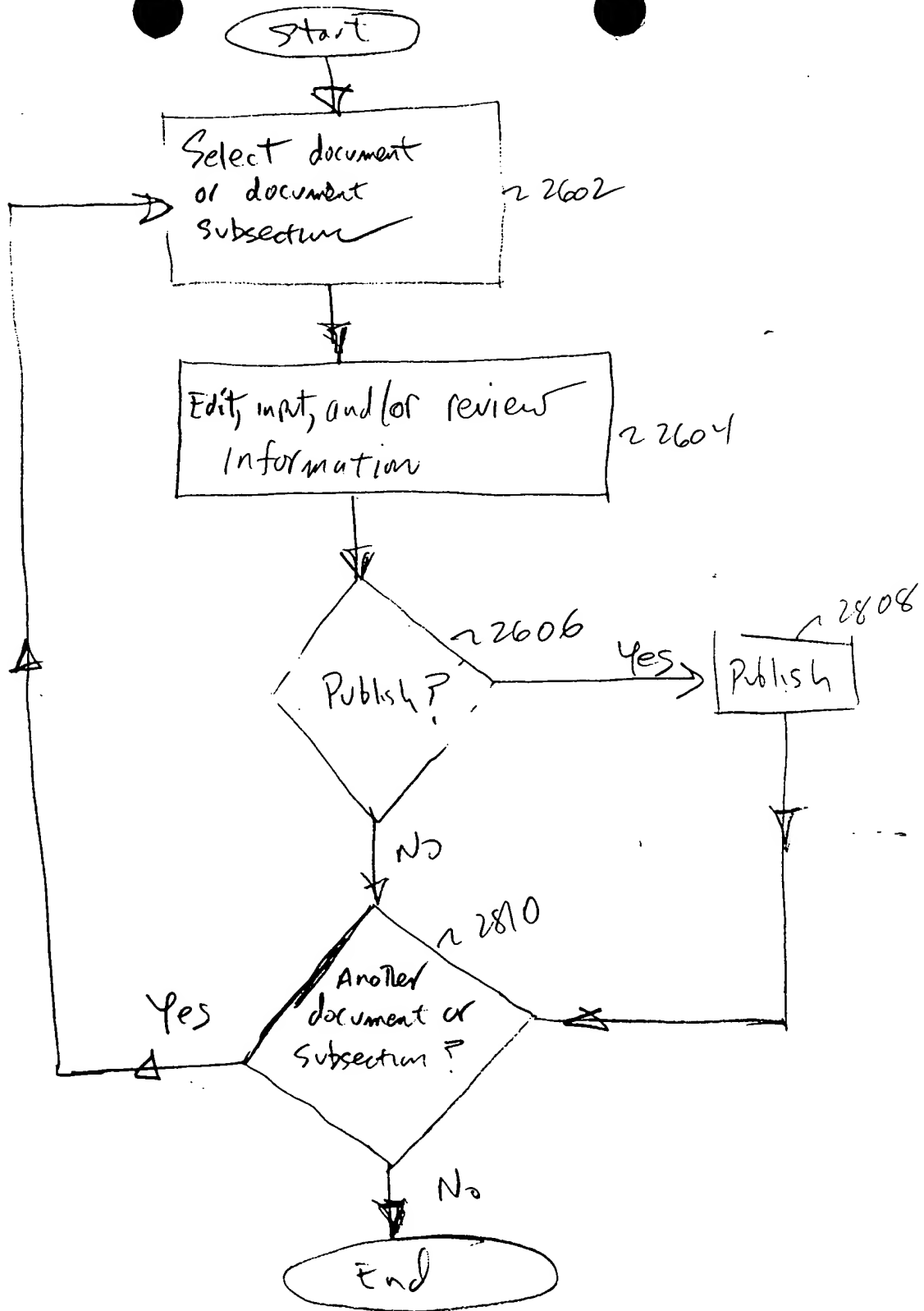


FIG 26

SSAA Main Menu - Notepad

1. INFO GATHERING

2. REQUIREMENTS ANALYSIS

3. TESTING

4. RISK ASSESSMENT

5. PUBLISHING

SSAA

Appendices

PROJECT LIST

LOG OFF

Classification

Project: M1 Project One

Required field (\*) - If applicable

Main SSAA Navigation

BACK

FORWARD

Select on SSAA subsection to work on:

2702

1.1 System Name and Identification

1.2 System Description

1.3 Functional Description

1.3.1 System Capabilities

1.3.2 System Criticality

1.3.3 Classification and Sensitivity of Data Processed

1.3.4 System Operator Description and Clearance Levels

1.3.5 Life-Cycle of the System

1.4 System Concept of Operations

2.1 Operational Environment

2.1.1 Facility Description

2.1.2 Physical Security

2.1.3 Administrative Issues

2.1.4 Personnel

2.1.5 COMSEC

2.1.6 TEMPEST

2.1.7 Maintenance Procedures

2.1.8 Training Plans

2.2 System Development and Maintenance Environment

2.3 Threat Description

You should begin by selecting SSAA subsection 1.1. After completing that section, move on to 1.2, 1.3, etc. After completing sections 1-6, click the forward arrow on the status bar to move on to the next step.

Publishing:  
Main  
Appendices  
Navigation

Tools | Support | Legal Notices

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FIG. 27

**FIG. 28**

Appendices Main Menu - Netscape  
File Edit View Go Command Help  
XACTA WEB C & A  
1. INFO GATHERING 2.2. REQUIREMENTS ANALYSIS 3. TESTING 4. RISK ASSESSMENT 5. PUBLISHING  
Classification  
Project: M1 Project One  
Required field (\*) - If applicable  
Main Appendices Navigation  
BACK 4 FORWARD  
PROJECT LIST 2 LOG OFF X

2902

Select on Appendix to work on:

- OK
- A. Acronyms
  - B. Definitions
  - C. References
  - D. System Concept of Operations
  - E. Information Security Policy
  - F. Security Requirements Traceability Matrix (SRTM)
  - G. Certification Test and Evaluation Plan and Procedures
  - H. Security Test and Evaluation Plan and Procedures
  - I. Applicable System Development Artifacts or System Documents
  - J. System Rules of Behavior
  - K. Incident Response Plan
  - L. Contingency Plans
  - M. Personnel/Technical Security Controls
  - N. Memoranda of Agreement
  - O. Security Education, Training and Awareness Plan
  - P. Certification Test Results
  - Q. Risk Assessment Results
  - R. Certification and Accreditation Statement

You should begin by selecting Appendices section A, B, or R.

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FIG. 29

1. INTRODUCTION 2. REQUIREMENTS ANALYSIS 3. TESTING 4. RISK ASSESSMENT 5. PUBLISHING

WELCOME

XACTA WEB C&A

1. INTRODUCTION 2. REQUIREMENTS ANALYSIS 3. TESTING 4. RISK ASSESSMENT 5. PUBLISHING

PROJECT LIST LOG OFF

Classification

Project: MT Project One

Appendix A

BACK FORWARD

Acronym

Description

ACERT

Army Computer Emergency Response Team

ADP

Automated Data Processing

AIS

Automated Information System

ABSP

Army Information Systems Security Program

AR

Army Regulation

ASAP

As soon as possible

ASO

Administrator's Security Guide

ATCCS

Army Tactical Command and Control System

BAS

Battlefield Automation System

BFA

Battlefield Functional Area

Page 1 of 10

2902

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FIG. 30

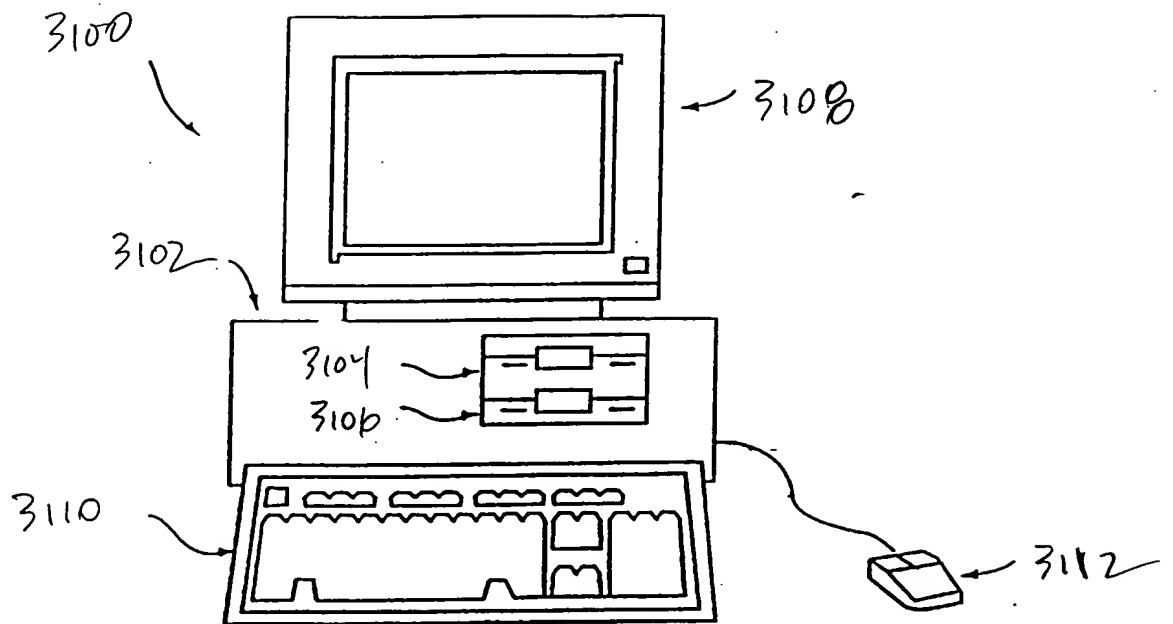


Fig. 31

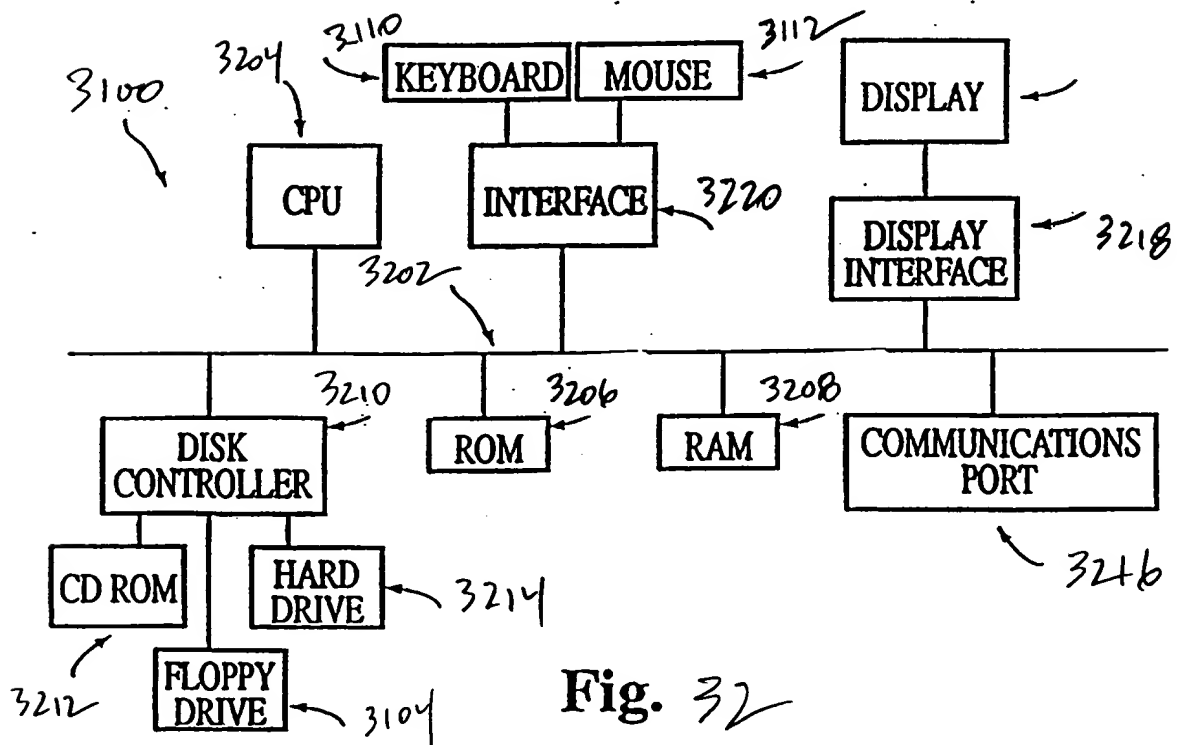


Fig. 32





